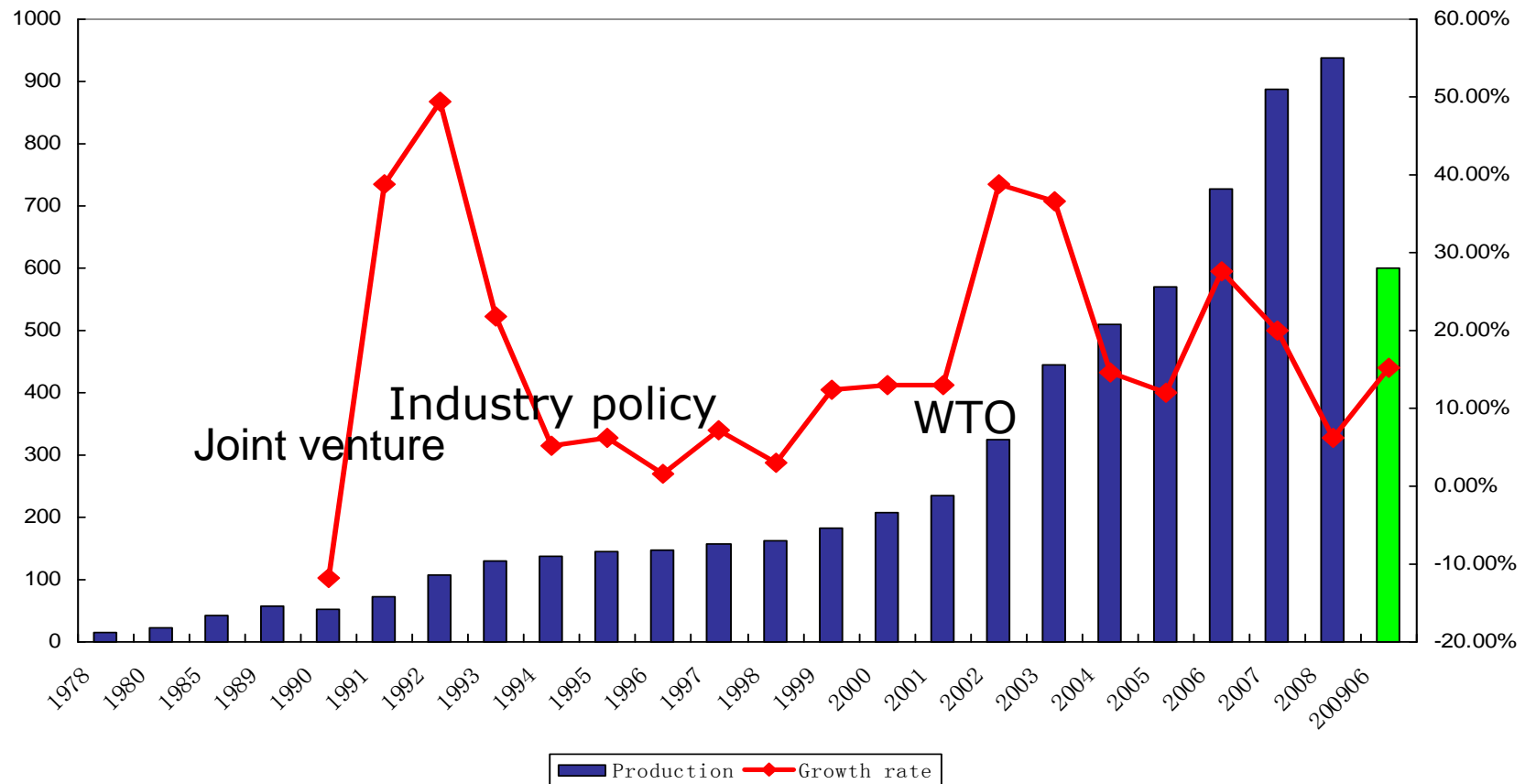


# The idea of the Sino-US cooperation on electric vehicles

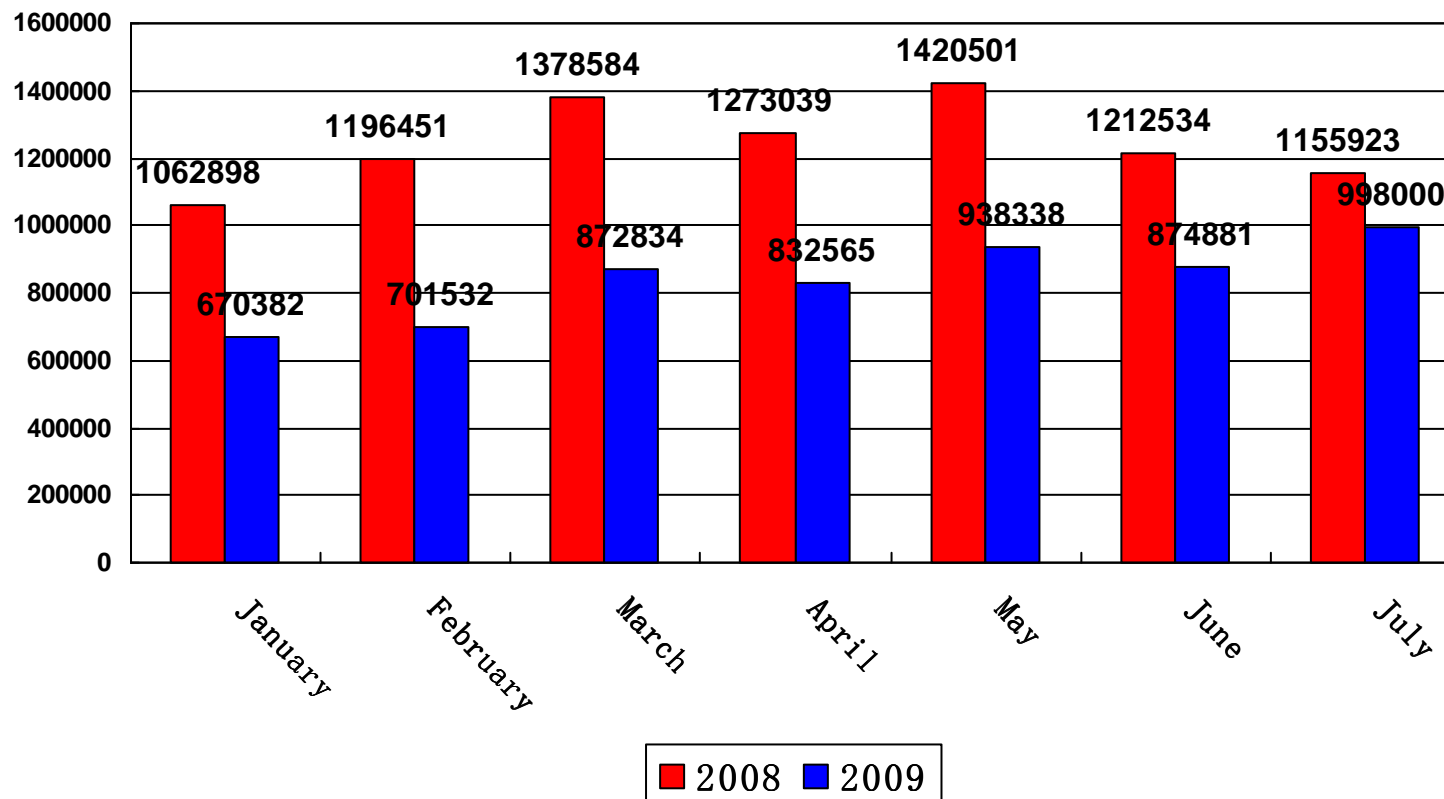
Dr. Feng Fei

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# China's auto market

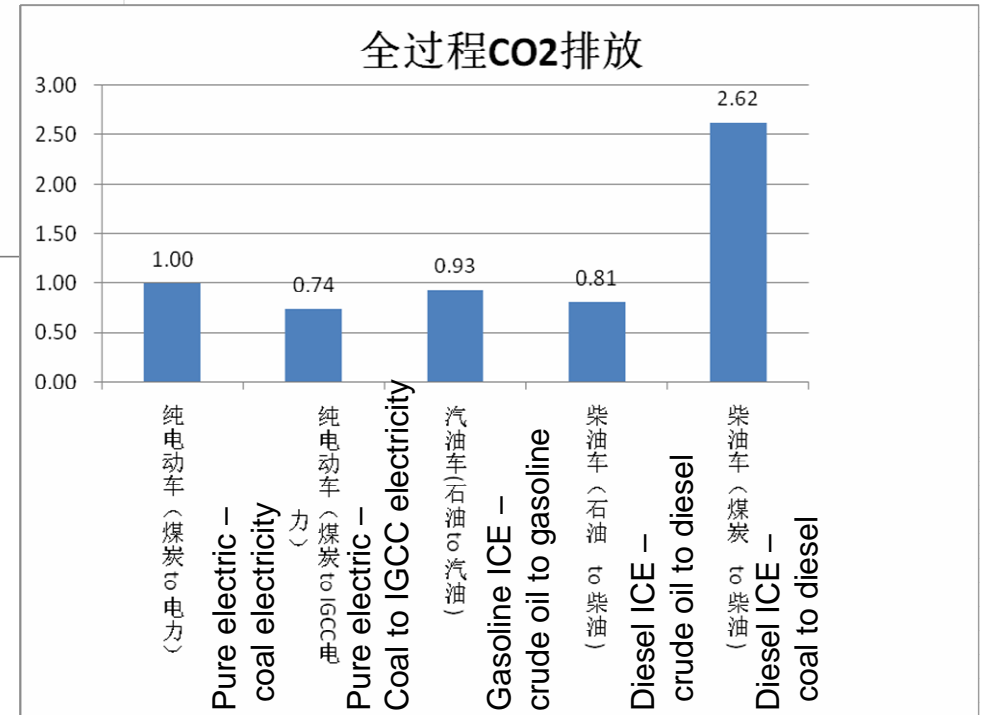
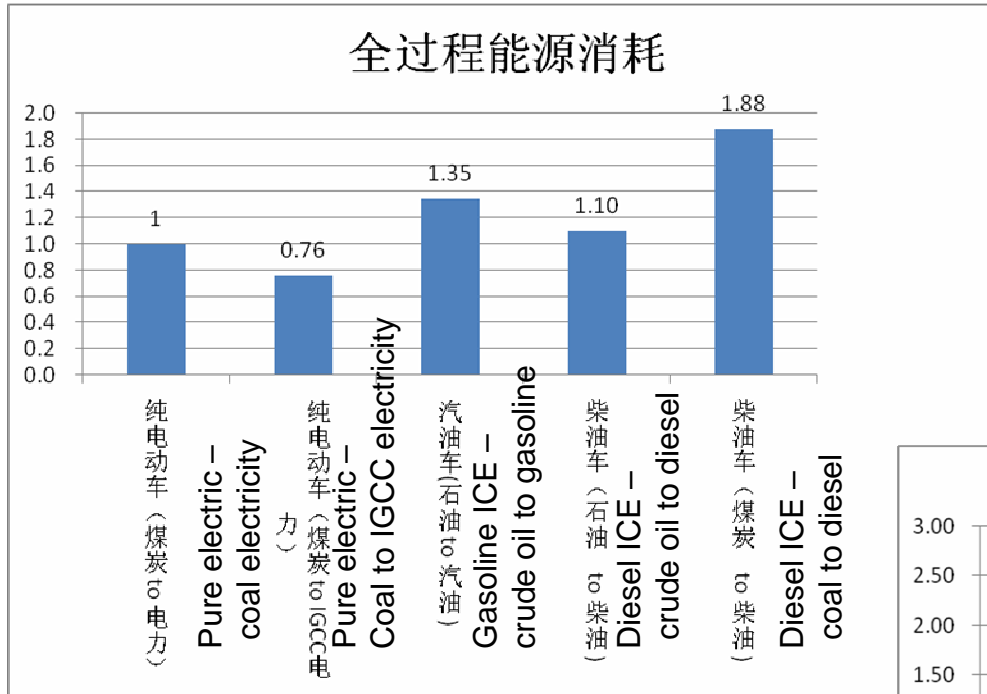


# US auto market



From January to July, compared with the same period of last year, sales declined 32%, the sales of this year will reach 11.24 million.

# Lifecycle energy consumption and CO<sub>2</sub> emissions of different technical routes ( Assuming that the value of coal-based electric vehicle technology is 1 )



## **The complementarity of the development of electric vehicles between China and the U.S.**

	<b>Strengths</b>	<b>Weaknesses</b>
<b>China</b>	<b>Market is large and diverse; We already made some breakthroughs in technology ; Manufacturing cost is low; Strong resource reuse and utilization.</b>	<b>Production capacity is not strong; Technical foundation is not firmed; Charging facilities need a large-scale investments.</b>
<b>U.S.</b>	<b>Strong R&amp;D; Market is large; Financial system is well developed; A good basis for charging facilities.</b>	<b>Market is lacking diversity relatively; Higher manufacturing costs; Hard to guarantee abundant supply of resources.</b>

- United States: technology, finance are two great advantages;
- China: market and low-cost manufacturing are two comparative advantages; but these need improvement.

# Multi-level Sino-US cooperation framework

- Coordination and communication of policy and standards, etc.

Policy dialogue and exchange in the initial stage:

Harmonization of standards (it is likely to form the world's leading standard)

Exchange charging facility experience and policy

# Multi-level Sino-US cooperation framework

- Pragmatic and effective cooperation of the key technologies

Focus on key technical cooperation (batteries, motors, electrical control);

Based on R&D, Cooperative development to realize patent pool, technology transfer;

Sino-US Electric Vehicle Technology Innovation Alliance;

Build a joint laboratory.

# Multi-level Sino-US cooperation framework

- Innovative financial mechanisms:

Establish a common development fund;

Promote the development of venture capital and private equity investments, and strengthen the information exchange.

Thank you!

